

ABSTRACT

A low shock work transport system for moving workpieces into a pressure vessel without significant vibrations or mechanical shocks.

The pressure vessel has two opposing ends with a sealable port in each of the opposing ends. A vessel rail is contained entirely within the pressure vessel with the two ends of the rail adjacent the ends of the pressure vessel. A movable rail is adjacent each end of the pressure vessel. Each movable rail is movable between a first position in which one end of the movable rail is within the pressure vessel and contiguous with the adjacent end of the vessel rail, and a second position in which the one end of the movable rail is outside the pressure vessel such that the sealable ports can be sealed. The workpieces are moved by sliding them over the upper surfaces of the rails.